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0925

#16



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/086,082

DATE: 09/09/2002

TIME: 15:38:19

Input Set : N:\Crf3\RULE60\10086082.raw

Output Set: N:\CRF3\09092002\J086082.raw

ENTERED

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1 <110> APPLICANT: Brieden, Walter
2   Naughton, Andrew
3   Robins, Karen
4   Shaw, Nicholas
5   Tinschert, Andreas
6   Zimmermann, Thomas
7 <120> TITLE OF INVENTION: METHOD OF PREPARING (S)-OR (R)
8   -3,3,3-TRIFLUORO-2-HYDROXY-2-METHYLPROPIONIC ACID
9 <130> FILE REFERENCE: 32213
10 <140> CURRENT APPLICATION NUMBER: 10/086,082
11 <141> CURRENT FILING DATE: 2002-02-28
13 <150> PRIOR APPLICATION NUMBER: US/09/214,679
14 <151> PRIOR FILING DATE: 1999-12-30
17 <160> NUMBER OF SEQ ID NOS: 14
18 <170> SOFTWARE: FastSEQ for Windows Version 3.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 1442
22 <212> TYPE: DNA
23 <213> ORGANISM: Klebsiella oxytoca
24 <400> SEQUENCE: 1
25   cccgggaact ccatgtggcc gtgatacctgg tcgagcagga tattgcatg atccagcggg      60
26   ccgcacagcg ctgtgcggta atggataaag gcctggttgt agaaacgctg acccaacaac      120
27   agctctctga tgatctttta atgcgtcgtc atctggctct gtaactaaac gctataaatt      180
28   acgtggagaa taacatatga aatggttgga agaattccatt atggccaaac gcggtggttg      240
29   tgccgggcgt aaaccggtaa cgcatacct gacggaagaa atgcaaaaag agtttcatta      300
30   caccattggc ccttattcca caccgctcct gaccatcgaa cccggtgacc ggattattgt      360
31   cgacactcga gatgcttttg aagggtgctat caattcggaa caggatattc cgagccagtt      420
32   gctaaaaatg ccctttctca acccacaata cggaccgatc atggtcaatg gcgcggagaa      480
33   aggtgatgtg ctgcgtgtct atatcgaatc catgttgccc cgcggcggtg atccctacgg      540
34   catctgcgcg atgattccgc attttgccg actgaccggg accgacctga cggccatgct      600
35   caatgatccg ctgccagaaa aggtgcgcat gattaaactc gacagtgaag aggtctactg      660
36   gagcaaacgc catacgcttc cctataaacc ccatattggc accttgagcg tatcgccaga      720
37   aattgactca atcaattcac tgacgccaga caatcacggc ggggaatatg atgtgccgga      780
38   tataggacca gggagtatta cctatctgcc ggtacgtgcg cctggaggcc gcctgtttat      840
39   tgggtgatgc catgcttgct aggggtgatg tgagatttgc gggaccgcag tagagtttgc      900
40   ctcaatcacc accatcaaag tcgatttgat caagaactgg cagctttcct ggccacgaat      960
41   ggagaatgcc gaaaatatta tgagtattgg cagtgcacgt ccgctggagg atgcgacgcg      1020
42   aattgcatat cgcgacttaa tttactggct ggtagaagac tttggcttcg aacaatggga      1080
43   tgccatcatg cttctgagtc aatgcggcaa agtgccgctg ggcaacatgg tcgaccccaa      1140
44   atacaccggt ggccgcatgc tgaacaaaaa cctgttagtt tagtaggaat aactaaccgg      1200
45   tgaacattac ccggatgtag atcggggtaa tgtgtaagtt caaacaatcg ctatttttaa      1260
46   cagctaaagc aggtgcatat ggggccagat acacccatca atattggttt actttactcc      1320
47   ttcagcggag tgacggcgcc acaagagttg tcacaatggc gcggagcaac ccaggctatt      1380

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48      gccgaaatta atcaaaatgg cggcatcaac ggcagaccac tcaatgcaat tcatttggat      1440
49      cc                                                                    1442
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 328
53 <212> TYPE: PRT
54 <213> ORGANISM: Klebsiella oxytoca
55 <400> SEQUENCE: 2
56      Met Lys Trp Leu Glu Glu Ser Ile Met Ala Lys Arg Gly Val Gly Ala
57      1          5          10          15
58      Gly Arg Lys Pro Val Thr His His Leu Thr Glu Glu Met Gln Lys Glu
59      20          25          30
60      Phe His Tyr Thr Ile Gly Pro Tyr Ser Thr Pro Val Leu Thr Ile Glu
61      35          40          45
62      Pro Gly Asp Arg Ile Ile Val Asp Thr Arg Asp Ala Phe Glu Gly Ala
63      50          55          60
64      Ile Asn Ser Glu Gln Asp Ile Pro Ser Gln Leu Leu Lys Met Pro Phe
65      65          70          75          80
66      Leu Asn Pro Gln Asn Gly Pro Ile Met Val Asn Gly Ala Glu Lys Gly
67      85          90          95
68      Asp Val Leu Ala Val Tyr Ile Glu Ser Met Leu Pro Arg Gly Val Asp
69      100         105         110
70      Pro Tyr Gly Ile Cys Ala Met Ile Pro His Phe Gly Gly Leu Thr Gly
71      115         120         125
72      Thr Asp Leu Thr Ala Met Leu Asn Asp Pro Leu Pro Glu Lys Val Arg
73      130         135         140
74      Met Ile Lys Leu Asp Ser Glu Lys Val Tyr Trp Ser Lys Arg His Thr
75      145         150         155         160
76      Leu Pro Tyr Lys Pro His Ile Gly Thr Leu Ser Val Ser Pro Glu Ile
77      165         170         175
78      Asp Ser Ile Asn Ser Leu Thr Pro Asp Asn His Gly Gly Asn Met Asp
79      180         185         190
80      Val Pro Asp Ile Gly Pro Gly Ser Ile Thr Tyr Pro Leu Val Arg Ala
81      195         200         205
82      Pro Gly Gly Arg Leu Phe Ile Gly Asp Ala His Ala Cys Gln Gly Asp
83      210         215         220
84      Gly Glu Ile Cys Gly Thr Ala Val Glu Phe Ala Ser Ile Thr Thr Ile
85      225         230         235         240
86      Lys Val Asp Leu Ile Lys Asn Trp Gln Leu Ser Trp Pro Arg Met Glu
87      245         250         255
88      Asn Ala Glu Asn Ile Met Ser Ile Gly Ser Ala Arg Pro Leu Glu Asp
89      260         265         270
90      Ala Thr Arg Ile Ala Tyr Arg Asp Leu Ile Tyr Trp Leu Val Glu Asp
91      275         280         285
92      Phe Gly Phe Glu Gln Trp Asp Ala Tyr Met Leu Leu Ser Gln Cys Gly
93      290         295         300
94      Lys Val Arg Leu Gly Asn Met Val Asp Pro Lys Tyr Thr Val Gly Ala
95      305         310         315         320
96      Met Leu Asn Lys Asn Leu Leu Val
97      325

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99 <210> SEQ ID NO: 3
100 <211> LENGTH: 20
101 <212> TYPE: PRT
102 <213> ORGANISM: Klebsiella oxytoca
103 <400> SEQUENCE: 3
104      Met Lys Trp Leu Glu Ser Ile Met Ala Lys Arg Gly Val Gly Ala
105          1              5              10              15
106      Ser Arg Lys Pro
107          20
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 5
111 <212> TYPE: PRT
112 <213> ORGANISM: Klebsiella oxytoca
113 <400> SEQUENCE: 4
114      Val Tyr Trp Ser Lys
115          1              5
117 <210> SEQ ID NO: 5
118 <211> LENGTH: 13
119 <212> TYPE: PRT
120 <213> ORGANISM: Klebsiella oxytoca
121 <400> SEQUENCE: 5
122      Lys Pro Val Thr His His Leu Thr Glu Glu Met Gln Lys
123          1              5              10
125 <210> SEQ ID NO: 6
126 <211> LENGTH: 9
127 <212> TYPE: PRT
128 <213> ORGANISM: Klebsiella oxytoca
129 <400> SEQUENCE: 6
130      Tyr Thr Val Gly Ala Met Leu Asn Lys
131          1              5
133 <210> SEQ ID NO: 7
134 <211> LENGTH: 14
135 <212> TYPE: PRT
136 <213> ORGANISM: Klebsiella oxytoca
137 <400> SEQUENCE: 7
138      Met Glu Asn Ala Glu Asn Ile Met Ser Ile Gly Ser Ala Arg
139          1              5              10
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 9
143 <212> TYPE: PRT
144 <213> ORGANISM: Klebsiella oxytoca
145 <400> SEQUENCE: 8
146      Trp Leu Glu Glu Ser Ile Met Ala Lys
147          1              5
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 18
151 <212> TYPE: PRT
152 <213> ORGANISM: Klebsiella oxytoca
153 <400> SEQUENCE: 9

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154      Met Pro Phe Leu Asn Pro Gln Asn Gly Pro Ile Met Val Asn Gly Ala
155      1                      5                      10                      15
156      Glu Lys
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 19
160 <212> TYPE: PRT
161 <213> ORGANISM: Klebsiella oxytoca
162 <400> SEQUENCE: 10
163      Asp Ala Phe Glu Gly Ala Ile Asn Ser Glu Gln Asp Ile Pro Ser Gln
164      1                      5                      10                      15
165      Leu Leu Lys
167 <210> SEQ ID NO: 11
168 <211> LENGTH: 21
169 <212> TYPE: PRT
170 <213> ORGANISM: Klebsiella oxytoca
171 <400> SEQUENCE: 11
172      Glu Phe His Tyr Thr Ile Gly Pro Tyr Ser Thr Pro Val Leu Thr Ile
173      1                      5                      10                      15
174      Glu Pro Gly Asp Arg
175                      20
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 23
179 <212> TYPE: PRT
180 <213> ORGANISM: Klebsiella oxytoca
181 <400> SEQUENCE: 12
182      Leu Phe Ile Gly Asp Ala His Ala Glu Gln Gly Asp Gly Glu Ile Glu
183      1                      5                      10                      15
184      Gly Thr Ala Val Glu Phe Ala
185                      20
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 14
189 <212> TYPE: PRT
190 <213> ORGANISM: Klebsiella oxytoca
191 <400> SEQUENCE: 13
192      Gly Asp Val Leu Ala Val Tyr Ile Glu Ser Met Leu Pro Arg
193      1                      5                      10
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 33
197 <212> TYPE: PRT
198 <213> ORGANISM: Klebsiella oxytoca
199 <400> SEQUENCE: 14
200      Gly Val Asp Pro Tyr Gly Ile Glu Ala Met Ile Pro His Phe Gly Gly
201      1                      5                      10                      15
202      Leu Thr Gly Thr Asp Leu Thr Ala Met Leu Asn Asp Gln Leu Gln Pro
203                      20                      25                      30
204      Lys

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VERIFICATION SUMMARY

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